App No.: 09/733,629

Wethod and Apparatus for an Incremental Update

Longest Prefix Match Lookup Table

Pavid A. Brown

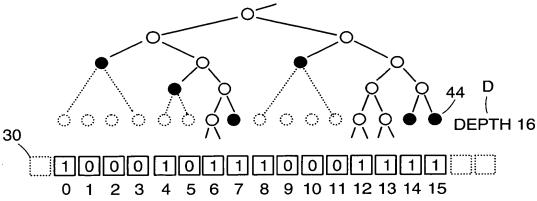


FIG. 1A PRIOR ART

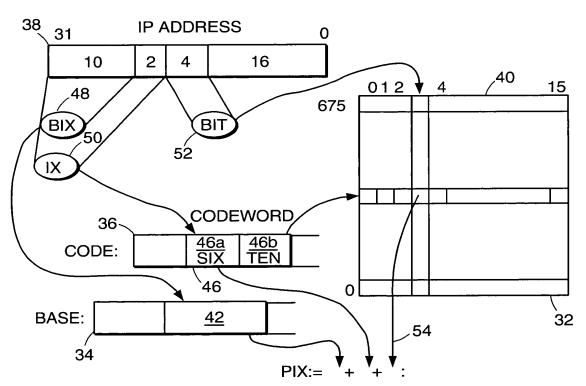


FIG. 1B PRIOR ART

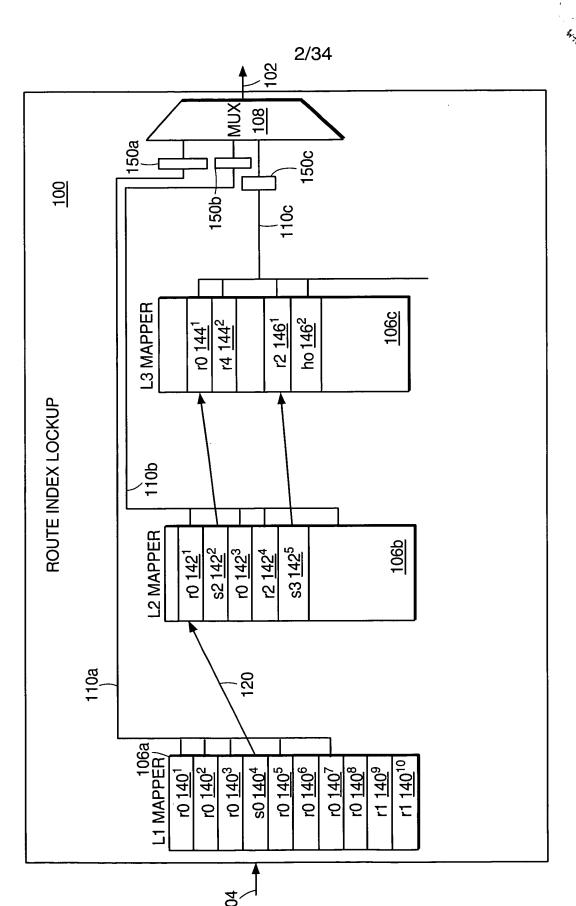


FIG. 2A

App No.: 09/733,629

Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table
Interest David A. Brown

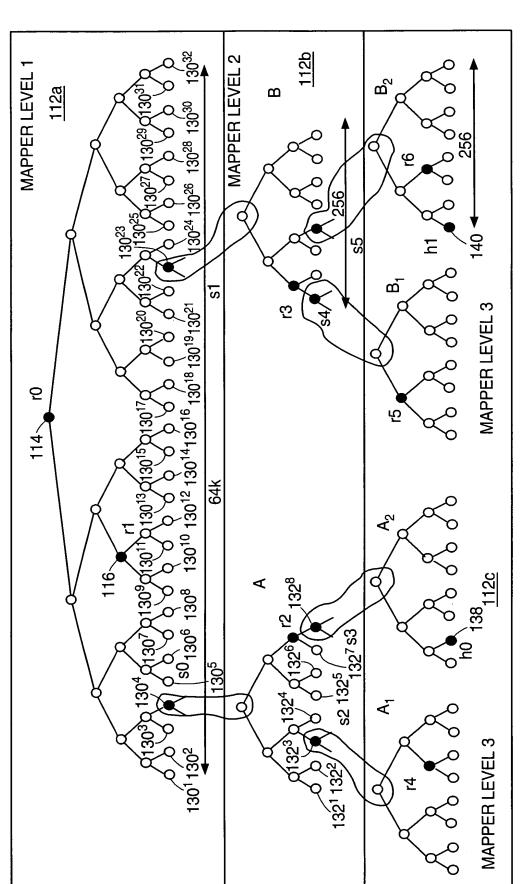
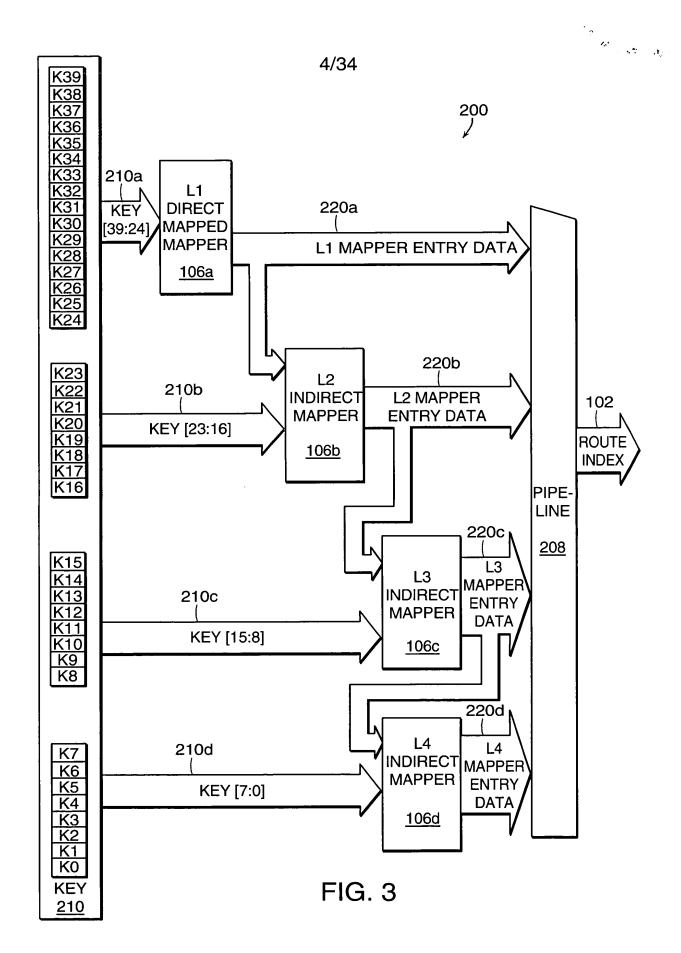


FIG. 2B

App No.: 09/733,629

Title: Method and Apparatus for an Incremental Update of A
Longest Prefix Match Lookup Table

Note: David A. Brown



Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table David A. Brown



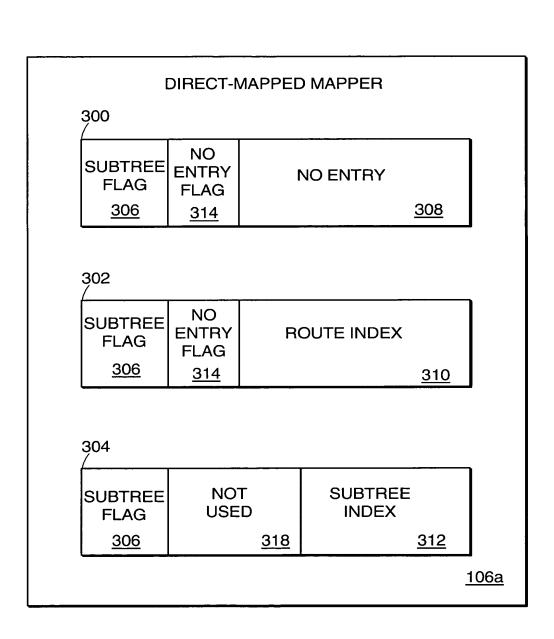


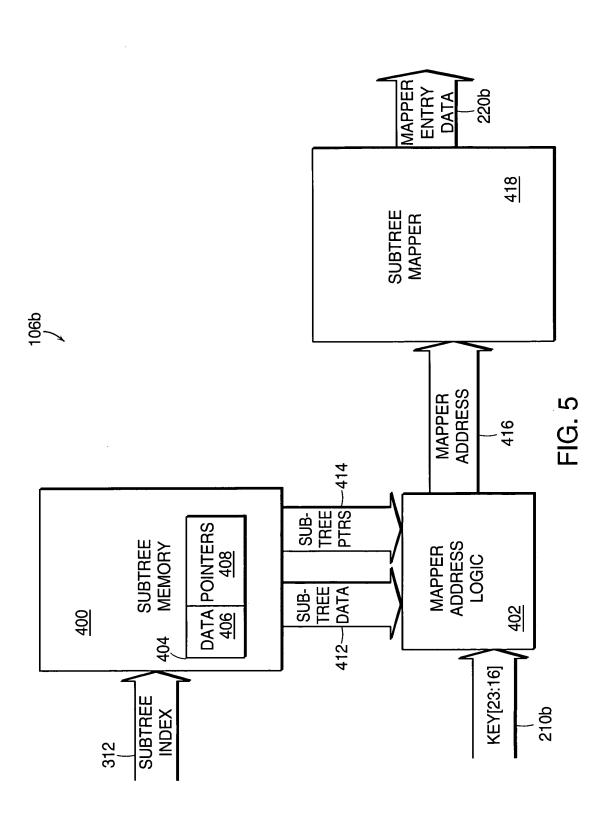
FIG. 4

App No.:

: 09/733,629

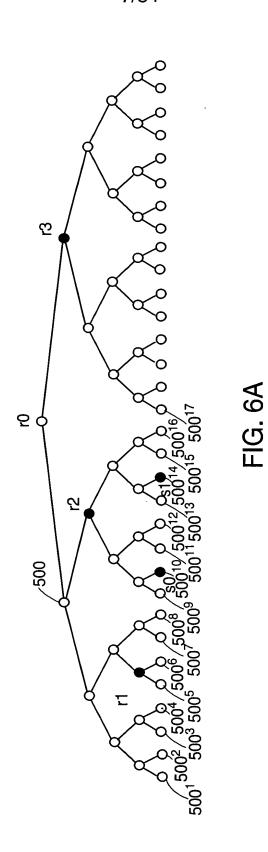
Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table David A. Brown

6/34



App No.:

:: 09/733,629
Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table David A. Brown

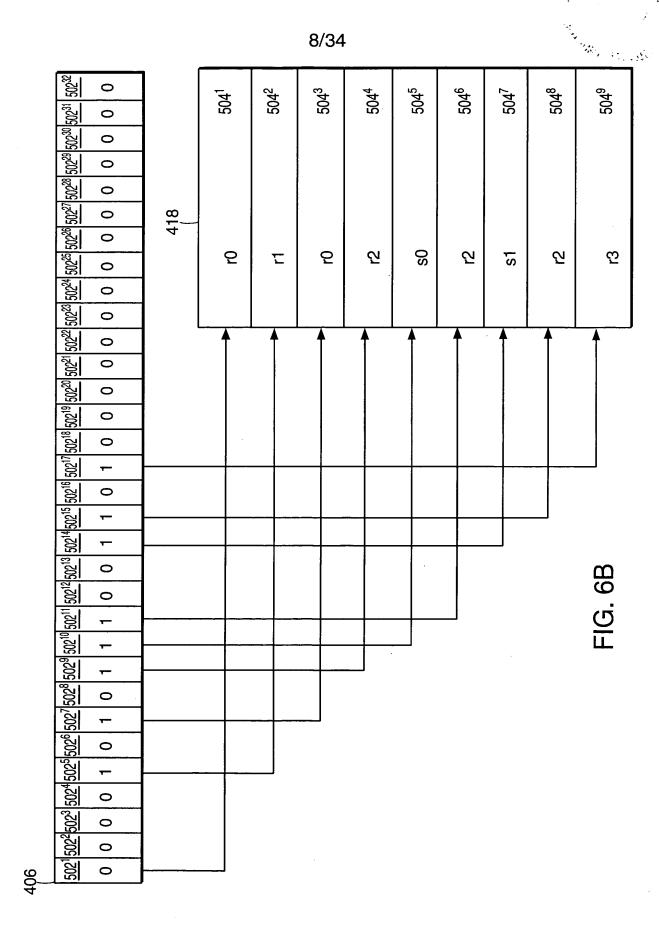


App No.: 09/733,629

Title: Method and Apparatus for an Incremental Update of A

Longest Prefix Match Lookup Table

David A. Brown



Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table

Loor: David A. Brown

9/34

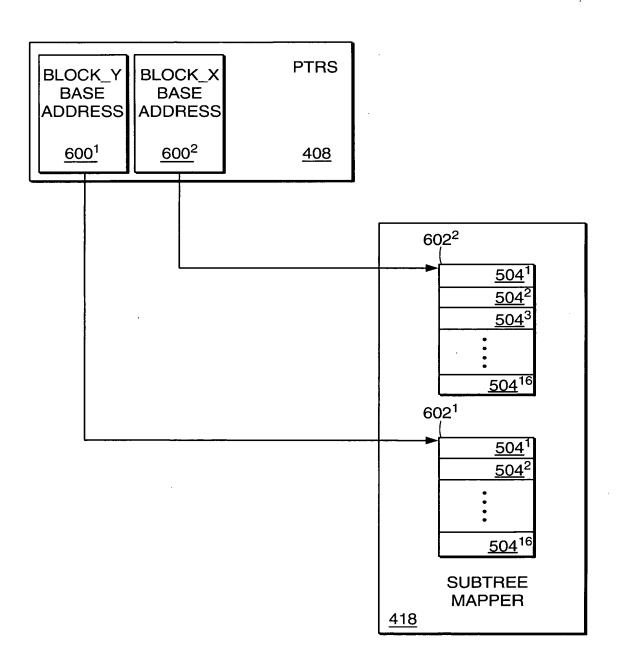
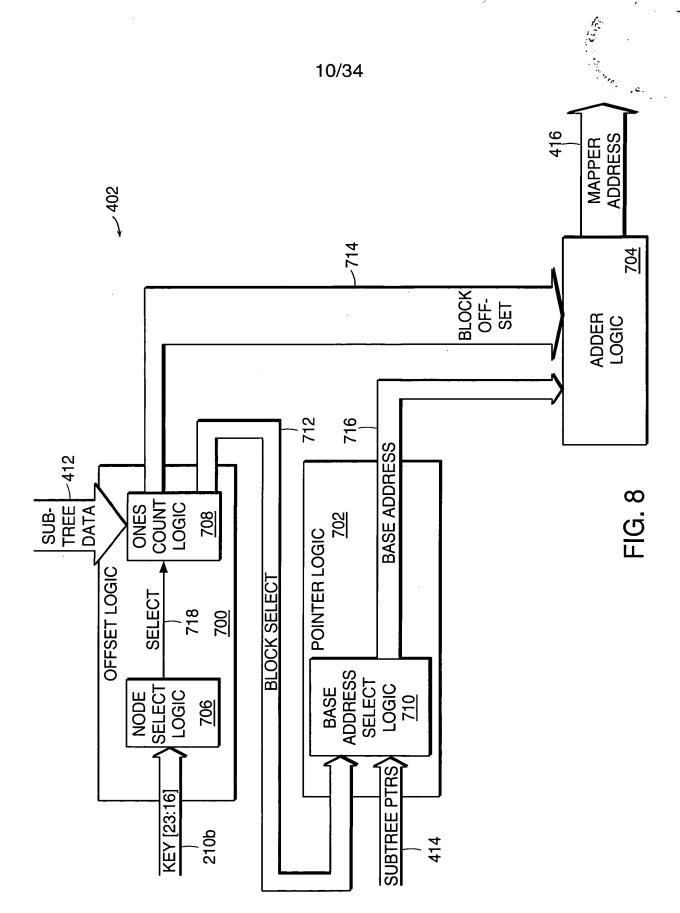


FIG. 7

App No.: 09/733,629

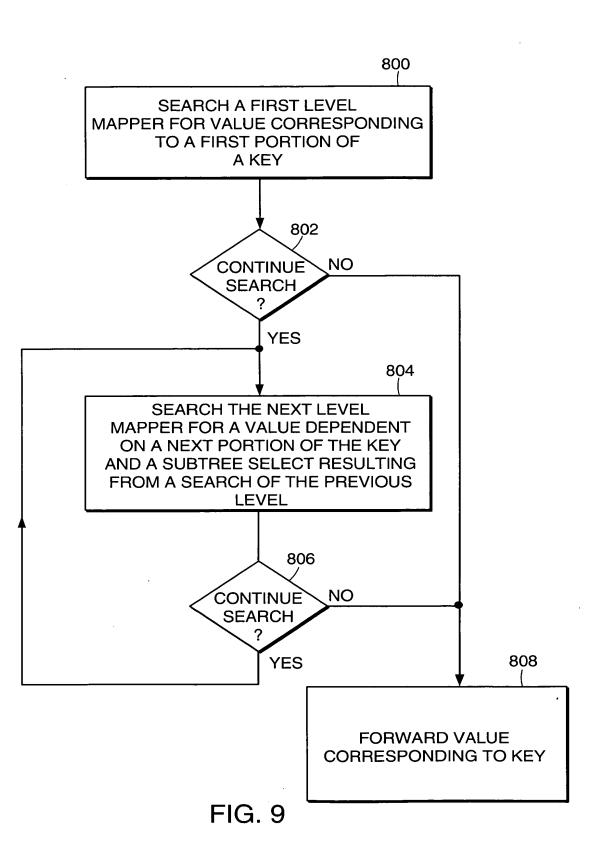
Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

In Lator: David A. Brown



Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table

David A. Brown



Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

David A. Brown

12/34

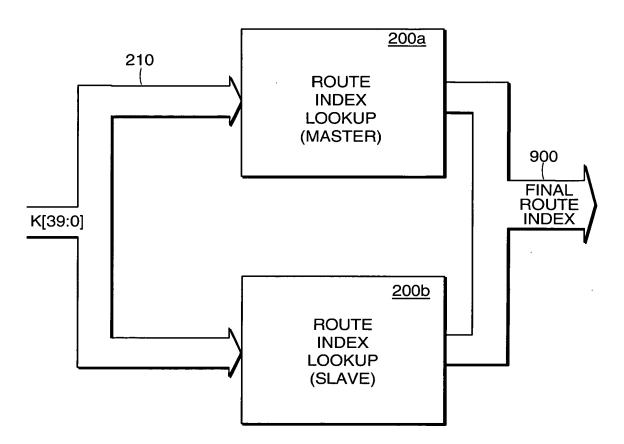
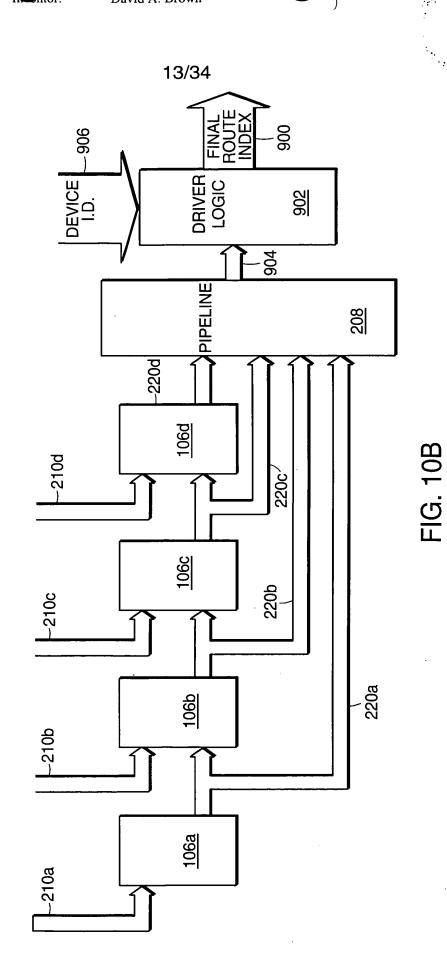


FIG. 10A

200a / App No.: 09/733,629

Title Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table

David A. Brown



Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table

David A. Brown

14/34

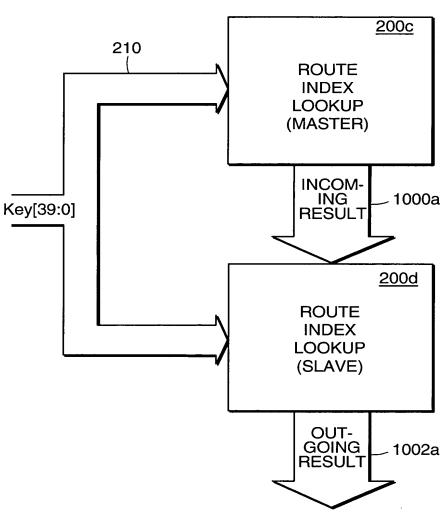
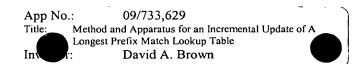


FIG. 10C

200d



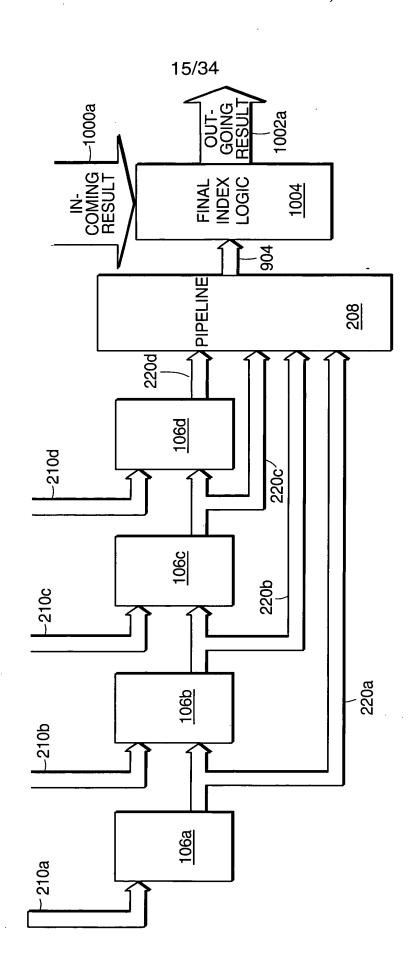


FIG. 10D

App No.: 09/733,629
Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table
Inventor: David A. Brown

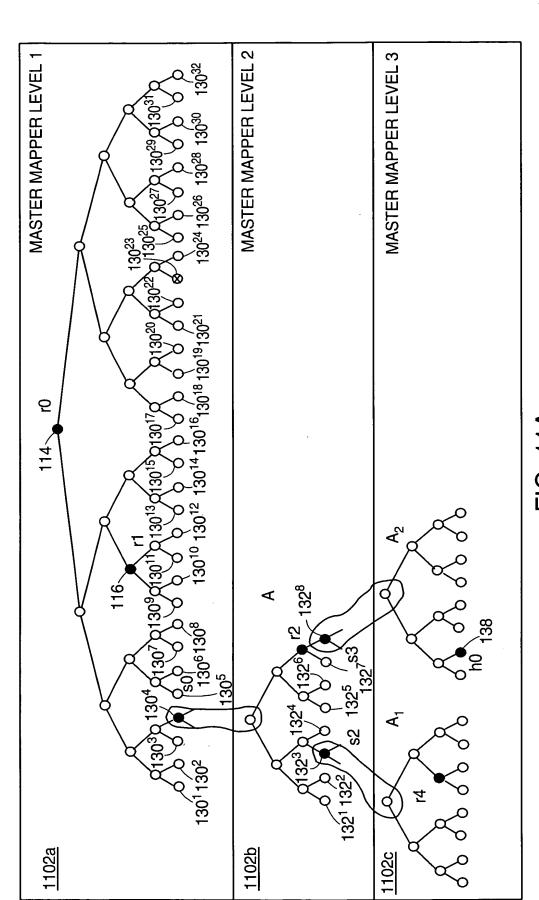
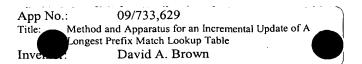
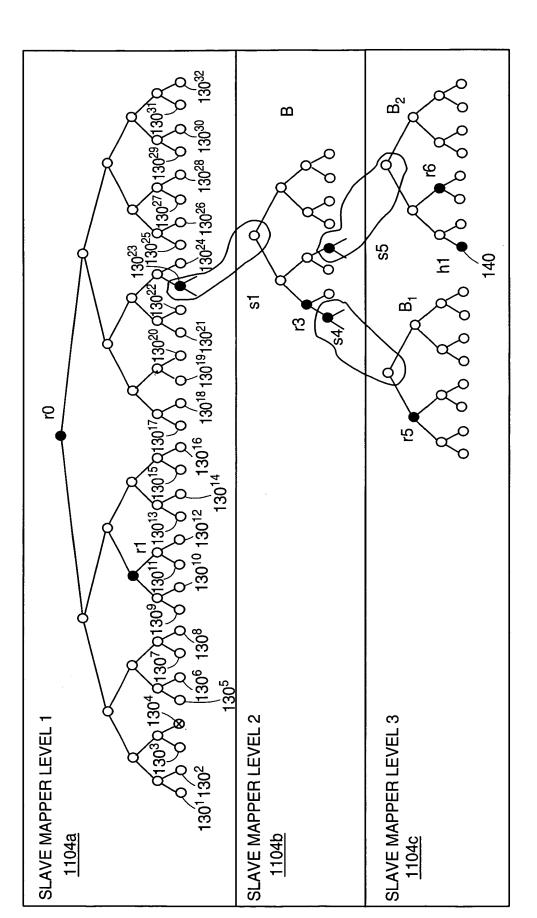


FIG. 11A





17/34

FIG. 11B

App No.: 09/733,629

Title Method and Apparatus for an Incremental Update of A
Longest Prefix Match Lookup Table
Interior: David A. Brown

18/34

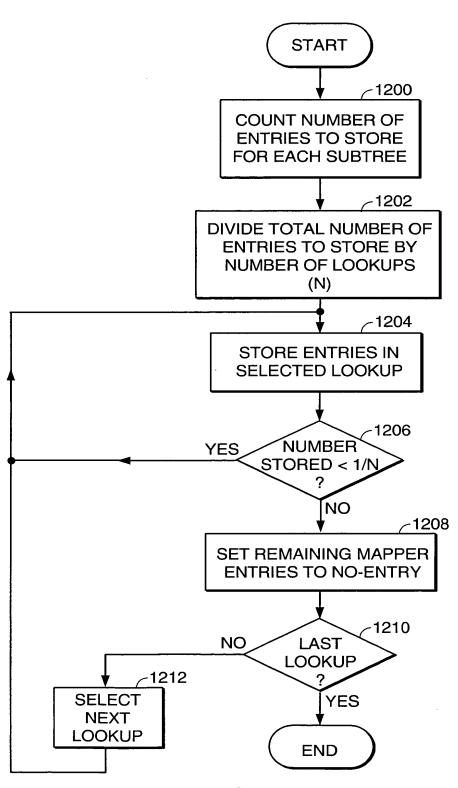
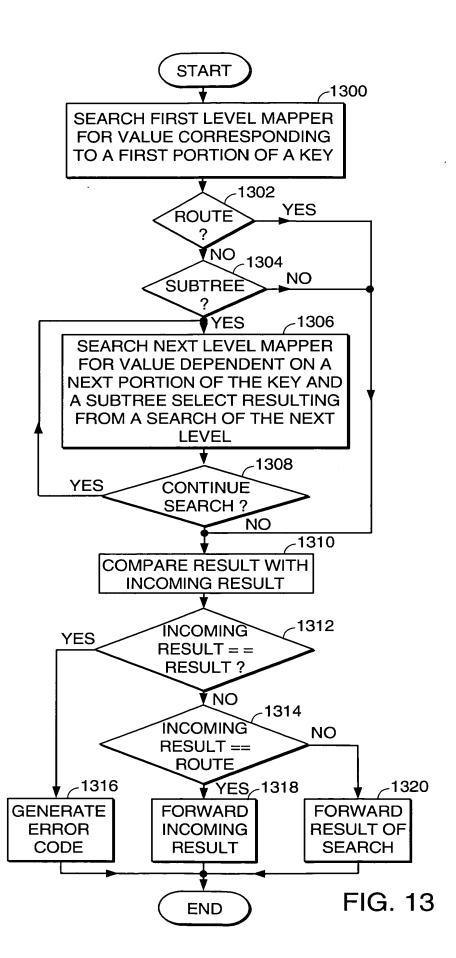


FIG. 12

App No.: 09/733,629
Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table
Inventor: David A. Brown

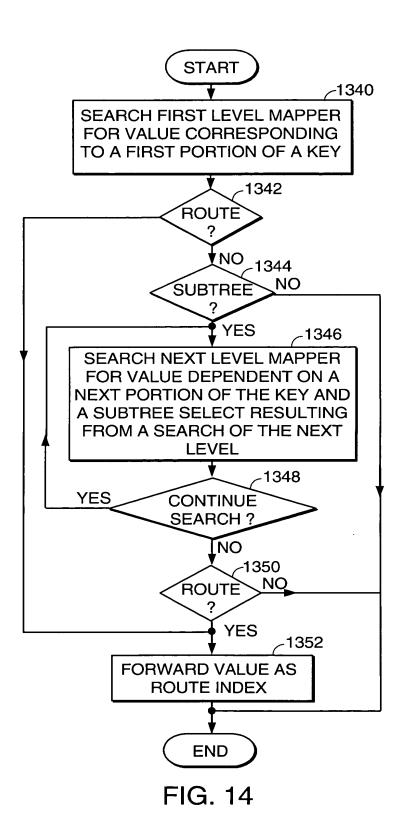


09/733,629 App No.:

Longest Prefix Match Lookup Table

Method and Apparatus for an Incremental Update of David A. Brown

20/34



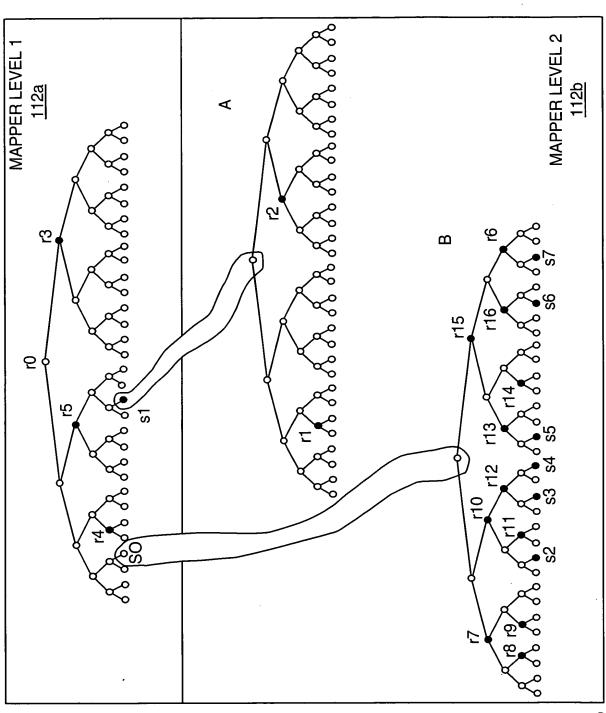
.: 09/733,629

Method and Apparatus for an Incremental Update of App No.:

Longest Prefix Match Lookup Table

David A. Brown

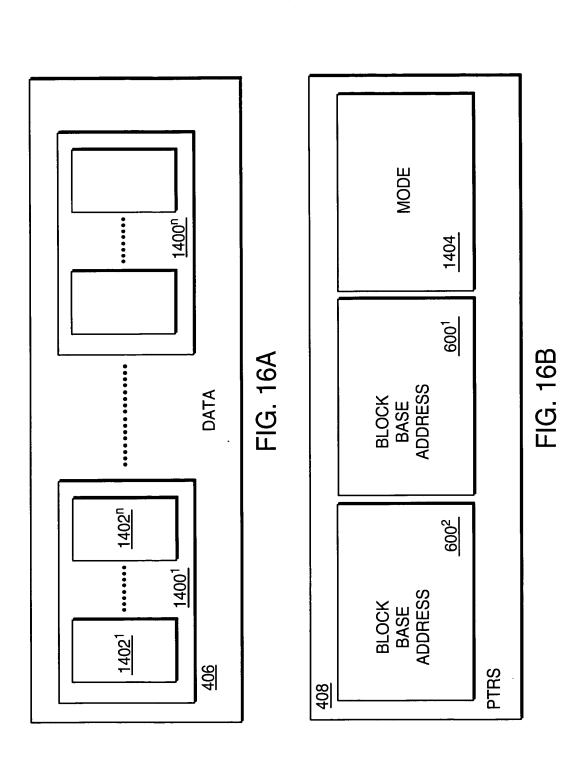
21/34



App No.:

: 09/733,629 Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table David A. Brown

22/34



App No.:

.: 09/733,629

Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table

David A. Brown

30	04 318			
	SUBTREE FLAG	TYPE	SPARSE SUBTREE DESCRIPTOR SELECT	SUBTREE INDEX
	<u>306</u>	<u>1406</u>	<u>1408</u>	<u>312</u>

FIG. 16C

Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

Aventor: David A. Brown

24/34

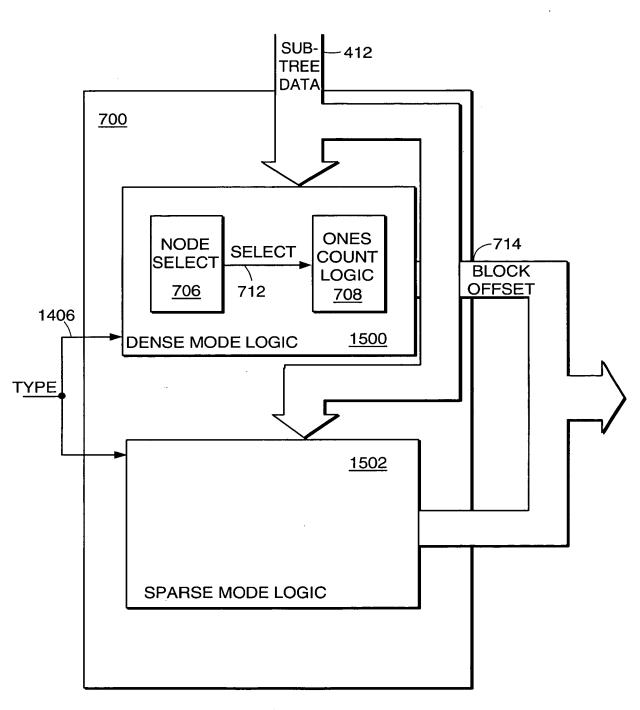


FIG. 17

App No.: 09/733,629
Title: Method and Apparatus for an Incremental Update of A
Longest Prefix Match Lookup Table
Intor: David A. Brown

25/34

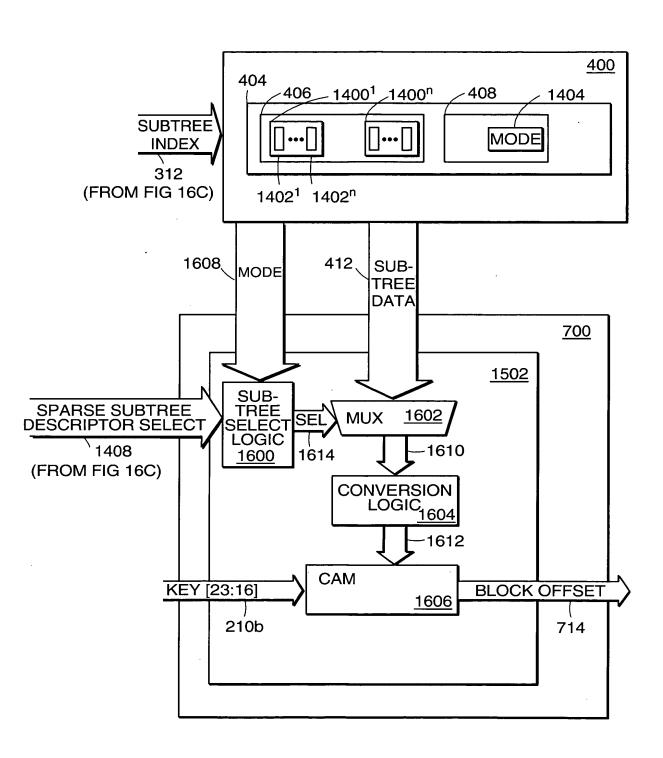
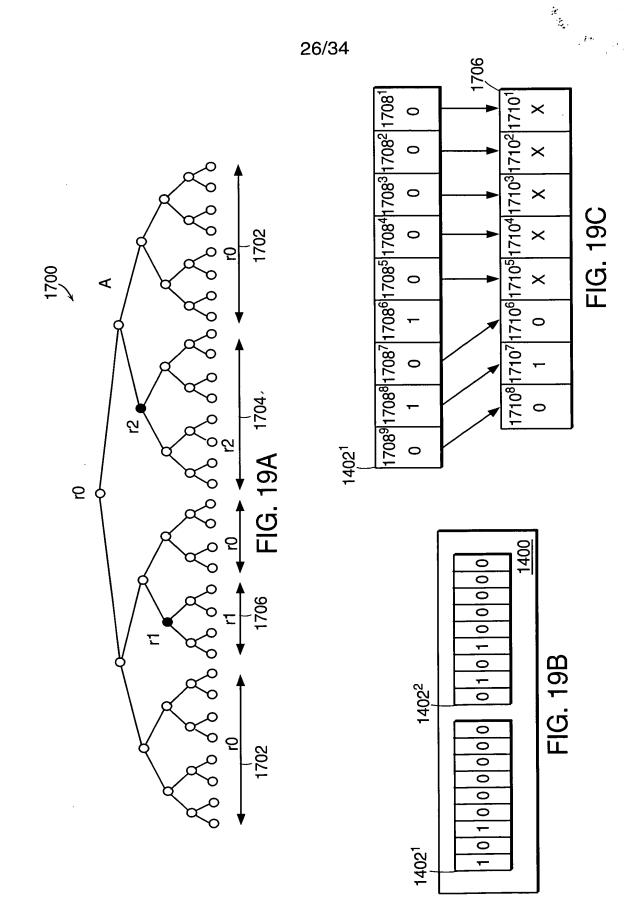


FIG. 18

App No.: 09/733,629

Title: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

Aventor: David A. Brown

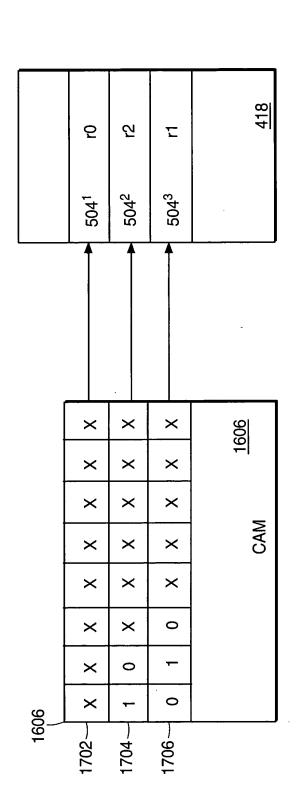


App No.:

.: 09/733,629

Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table David A. Brown

27/34



Method and Apparatus for an Incremental Update of Longest Prefix Match Lookup Table tor: David A. Brown

28/34

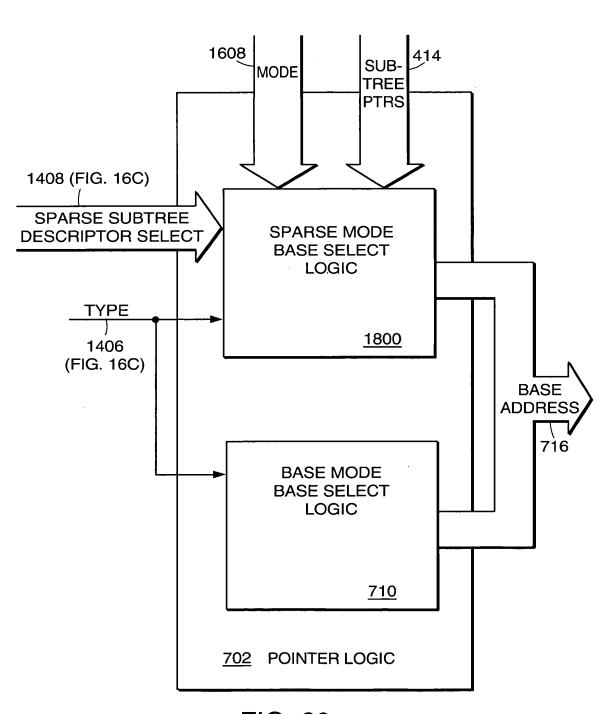


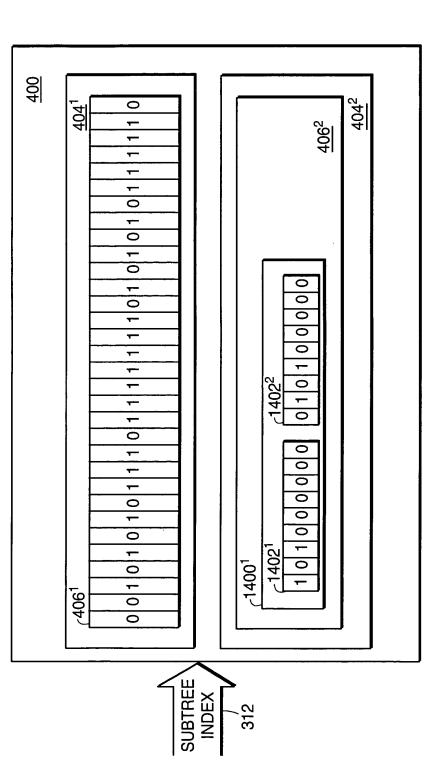
FIG. 20

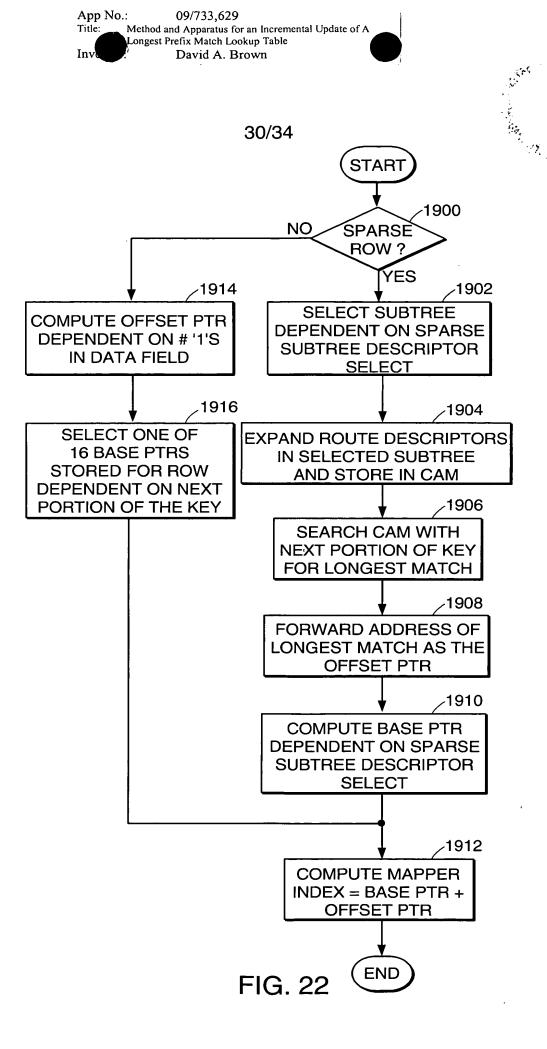
09/733,629 App No.:

Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

David A. Brown

29/34





App No.: Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table
David A. Brown 31/34 2008 2000 2002 മ s₁ 5 **MAPPER LEVEL 1** MAPPER LEVEL 3 MAPPER LEVEL 2

FIG. 23

App No.: 09/733,629

Tible Method and Apparatus for an Incremental Update of A Longest Prefix Match Lookup Table

Entor: David A. Brown

32/34

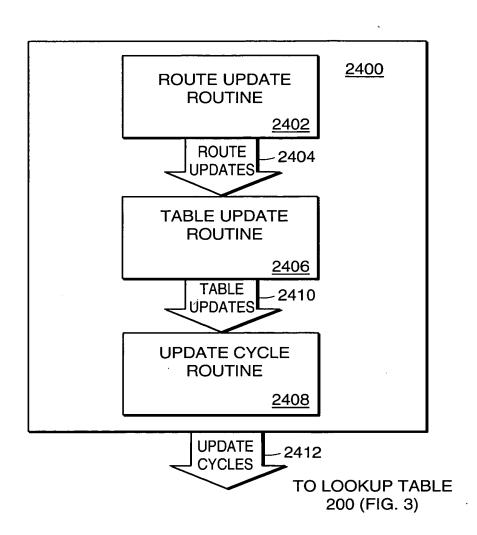
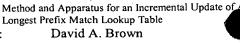


FIG. 24

09/733,629 App No.:

Longest Prefix Match Lookup Table



33/34

